Virginia Title V Operating Permit

Until such time as this permit is reopened and revised, modified, revoked, terminated or expires, the permittee is authorized to operate in accordance with the terms and conditions contained herein. This permit is issued under the authority of Title 10.1, Chapter 13, §10.1-1322 of the Air Pollution Control Law of Virginia. This permit is issued consistent with the Administrative Process Act, and 9 VAC 5-80-50 through 9 VAC 5-80-300 of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution of the Commonwealth of Virginia.

Authorization to operate a Stationary Source of Air Pollution as described in this permit is hereby granted to:

Permittee Name:	Ford Motor Company
Facility Name: Facility Location:	Norfolk Assembly Plant 2424 Ford Drive Norfolk, Virginia 23523
Registration Number: Permit Number:	60268 VA-60268

_____
Effective Date

_____
Expiration Date

_____
Director, Department of Environmental Quality

_____
Signature Date

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I. Facility Information

Permittee
Ford Motor Company
2424 Ford Drive
Norfolk, Virginia 23523

Responsible Official
Mr. Mike Hom
Plant Manager

Facility
Norfolk Assembly Plant
2424 Ford Drive
Norfolk, Virginia 23523

Contact Person
Mr. Gary B. Davis
Environmental Control Specialist
757-494-2059

AIRS Identification Number: 51-710-00009

Facility Description: SIC Code 3711 – Assembly of automobiles and light duty trucks. The plant assembles automotive trucks from manufactured parts. The main process steps are body assembly, painting, final assembly and miscellaneous production support. There are no alternative operating scenarios associated with this application. The new painting facility was brought on-line during calendar year 1991 and was permitted at that time with a calculated baseline VOC emission level of 1183 tons per year. During the past nine years, some minor changes to the plant were made to improve the quality of the finished product. The permitted emission level for VOC's has increased slightly as production changes are made to adjust the jobs per hour through the plant. As the coating process has been refined over the model years, improved coating materials have allowed for reduced usage per vehicle and higher efficiencies in solids transfer. Through the continued application of sound engineering design changes and new coating technology, Ford has managed to incrementally ratchet-up truck production, over the years, without any significant increase in coating throughputs or the resulting VOC emissions.

The Norfolk Assembly Plant is subject to the NSPS, Subpart MM; Standards of Performance for Automobile and Light Truck Coating Operations. The requirements of this New Source Performance Standard deal primarily with VOC content of coatings by class, transfer efficiencies of solids and the destruction efficiency of the control device. Compliance with the NSPS is checked by use of performance tests in the form of equations. Two of the monthly calculations that are required at the plant are (1.) monthly Kg of VOC per liter of applied solids and (2.) monthly Kg of VOC per liter of applied solids emitted after the incinerator.

The Ford plant has emission units that are uncontrolled with respect to the VOC emissions and several previously modified units that are controlled by a 'Carbon wheel' process. The Carbon wheel concentrates the emissions from several units and allows the capture of VOC's from booths that have low concentrations of solvents. This approach also enables the RTO's to be sized much smaller as they are only required to handle the purge flow from the carbon panels and not the much larger flow of booth air. Product quality improvement projects over the last ten years involved replacement of manual spraying units with robot controlled spray and bell sprayers. Eliminating the human element from some of the booths allows for adjustment of the required airflow for that booth section, which leads to, improved product quality and better capture of emissions. The Title V permit is based on the NSR permit issued February 12, 1999 which incorporated several changes in the coating allocations, process by process, and allowed for a small increase in permitted emissions.

II. Emission Units

Equipment to be operated consists of:

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity mmBtu/hr*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable NSR Permit Date
Fuel Burning Equipment							
PR1	PR1	Phosphate Hot Water	23	N/A	N/A		N/A
PR2	PR1	Phosphate Hot Water	23	N/A	N/A		N/A
EC2	EC2-1,2,3	Natural gas-fired oven	28	N/A	N/A		N/A
PS2	PS2	Natural gas-fired oven	24	N/A	N/A		N/A
PS3	PS3	Natural gas-fired air heater	80	N/A	N/A		N/A
PS5	PS5	Natural gas-fired air heater	20	N/A	N/A		N/A
ME2	ME2-1,2,3	Natural gas-fired oven	16	N/A	N/A		N/A
ME3	ME3	Natural gas-fired air heater	97	N/A	N/A		N/A
ME5	ME5	Natural gas-fired air heater	18	N/A	N/A		N/A
TT2	TT2-1,2,3	Natural gas-fired oven	16	N/A	N/A		N/A
TT3	TT3	Natural gas-fired air heater	54	N/A	N/A		N/A
RTO1	RTO1-1,2	Regenerative thermal oxidizer	16	Controls VOC's	RTO1	VOC/HAP	2/12/99
RTO2	RTO2	Regenerative thermal oxidizer	32	Controls VOC's	RTO2	VOC/HAP	2/12/99

*The Size/Rated capacity is provided for informational purposes only, and is not an applicable requirement.

Process A – Truck Assembly Operations							
Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity/Units	Pollution Control Device Description	PCD ID	Pollutant Controlled	Applicable NSR Permit Date
BS1	N/A	Body Shop Sealers	85,000 gallons/year	N/A fugitives	N/A		2/12/99
PR1	PR1	Phosphate hot water	23 mmBtu per hour	N/A	N/A		N/A
PR2	PR1	Phosphate hot water	23 mmBtu per hour	N/A	N/A		N/A
SA1	SA1-1, 2	Sealer application	2.0 tons of VOC per year	N/A	N/A		2/12/99
EC1	EC1-1,2,3	E-coat dip tanks	55 vehicles per hour	Water-based coating	ECT	VOC based solvents	2/12/99
EC2	EC2-1,2,3	E-coat oven	28 mmBtu per hour	N/A	N/A		2/12/99
EC3	EC3	E-coat scuff booth	55 vehicles per hour	Panel filters	ECSF	Particulate and PM10	2/12/99
PS1	PS1-1—14	Guidecoat (Prime) Spray booth – spray application	55 vehicles per hour	Water wall scrubber	PSCRB	Particulate and PM10	2/12/99
PS1	PS1-Zone3	Guidecoat (Prime) Spray booth – spray application	55 vehicles per hour	Carbon wheel and RTO for Zone 3	RTO1	VOC's and HAP's	2/12/99
PS2	PS2-2—5	Guidecoat (prime) oven	24 mmBtu per hour	RTO	RTO2	VOC's and HAP's	2/12/99
PS3	PS3	Guidecoat (prime) Air supply house	80 mmBtu per hour	Bag filters	ASH - 550	PM10	2/12/99
PS4	PS4	Guidecoat (prime) scuff booth	55 vehicles per hour	Panel filters	PSF	Particulate and PM10	2/12/99
PS5	PS5	E-coat/Guidecoat Scuff booth Air supply house	20 mmBtu per hour	N/A	N/A	N/A	2/12/99
ME1	ME1-1—22	Topcoat spray booth	55 vehicles per hour	Water wall scrubber and filter house	TCSFH	Particulate and PM10	2/12/99

*The Size/Rated capacity is provided for informational purposes only, and is not an applicable requirement.

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity/Units	Pollution Control Device Description	PCD ID	Pollutant Controlled	Applicable NSR Permit Date
ME1	ME1-Zones 3,4,5,8	Topcoat spray booth	55 vehicles per hour	Carbon wheel and RTO for Zones 3, 4, 5 and 8	RTO1	VOC's and HAP's	2/12/99
ME2	ME2-1,2,3	Topcoat oven	16 mmBtu per hour	RTO	RTO2	VOC's and HAP's	2/12/99
ME3	ME3	Topcoat Air Supply House	97 mmBtu per hour	Bag filters	ASH - 551	Particulate and PM10	2/12/99
ME4	ME4	Topcoat Touchup/Scuff booth	55 vehicles per hour	Bag filters and panel filters	TCTUF	Particulate and PM10	2/12/99
ME5	ME5	Topcoat/Tutone Scuff booth Air Supply House	18 mmBtu per hour	Bag filters	ASH - 554	Particulate and PM10	2/12/99
TT1	TT1-1—18	Tutone/Repair Spray booth	55 vehicles per hour	Water wall scrubber	TTSCRB	Particulate and PM10	2/12/99
TT2	TT2-1,2,3	Tutone/Repair oven	16 mmBtu per hour	RTO	RTO2	VOC's and HAP's	2/12/99
TT3	TT3	Tutone/Repair Air Supply House	54 mmBtu per hour	N/A	N/A	N/A	2/12/99
TT4	TT4	Tutone/Repair Touchup/Scuff booth	55 vehicles per hour	Panel filters	TTREPF	Particulate and PM10	2/12/99
WA1	WA1	Windshield installation	55 vehicles per hour	N/A	N/A	N/A	2/12/99
FR1	FR1-1—5	Final Repair booth	6.4 tons of VOC per year	N/A	N/A	N/A	2/12/99
SV1	N/A	Purge, Cleaning and Body Wipe	180.5 tons VOC per year	N/A	N/A	N/A	2/12/99

*The Size/Rated capacity is provided for informational purposes only, and is not an applicable requirement.

III. Fuel Burning Equipment Requirements – (emission unit ID#PR1, PR2, EC2, PS2, PS3, PS5, ME2, ME3, ME5, TT2, TT3, RTO1, and RTO2)

A. Limitations

1. No owner or other person shall cause or permit to be discharged into the atmosphere from any fuel burning equipment installation any gaseous products of combustion containing particulate emissions in excess of the following limits:

   PM (for natural gas combustion) 0.9 lb / hour

   For fuel burning equipment installations with total capacity less than 10 million Btu per hour, the maximum allowable emission ratio shall be 0.6 pounds of particulate per million Btu input
   (9 VAC 5-80-110 and 9 VAC 5-40-900)

2. No owner or other person shall cause or permit to be discharged into the atmosphere from any fuel burning equipment installation any sulfur dioxide emissions in excess of the following limits:

   SO_2 (for natural gas combustion) 0.3 lbs / hour

   S = 2.64K, where S equals allowable emissions of SO_2 in units of pounds per hour and K = heat input at total capacity expressed in Btu x 10^6 per hour.
   (9 VAC 5-80-110 and 9 VAC 5-40-930)

3. The approved fuel for the fuel burning equipment is natural gas. A change in the fuel may require a permit to modify and operate.
   (9 VAC 5-80-110 and 9 VAC 5-170-160)

4. When combusting fuel other than natural gas, no owner or other person shall cause or permit to be discharged into the atmosphere from any affected facility any visible emissions which exhibit greater than twenty (20) percent opacity, except for one six-minute period in any one hour of not more than thirty (30) percent opacity. Failure to meet the requirements of this condition because of the presence of water vapor shall not be a violation of this condition.
   (9 VAC 5-80-110 and 9 VAC 5-50-80)

5. The opacity standard (visible emission standard) shall apply at all times except during periods of startup, shutdown and malfunction.
   (9 VAC 5-80-110, and 9 VAC 5-50-20)

B. Monitoring

1. The permittee shall perform periodic visual evaluations of each unit once each calendar week, when operating, for compliance with the opacity standards for fuel burning equipment. If such periodic evaluations indicate any visible emissions, the permittee shall take appropriate action, immediately, to return the unit to normal operation such that no visible emissions exist. If such corrective action fails to correct the problem, the permittee shall conduct a visible emissions evaluation (VEE) utilizing EPA Method 9 (reference 40 CFR 60, Appendix A). If a method 9 evaluation and/or corrective action becomes necessary, the permittee shall record the details of the incident in a logbook. The logbook shall be kept on site and available for inspection by the DEQ for the most recent five year period.
(9 VAC 5-80-110 E)

C. Recordkeeping

1. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:

   a. Records of visual evaluations and visible emissions evaluations conducted and any corrective action taken.

   b. Notation when fuel other than natural gas is being combusted in the fuel burning equipment.
   (9 VAC 5-50-50, 9 VAC 5-80-110)

D. Testing

1. The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports shall be provided at the appropriate locations.
(9 VAC 5-40-30 or 9 VAC 5-50-30 and 9 VAC 5-80-110)

2. If testing is conducted to demonstrate compliance in addition to the monitoring specified in this permit, the permittee shall use the following methods, or other methods approved by the DEQ in accordance with procedures as follows:

The following table applies only to those pollutants that have emission limits.

Pollutant	Test Method (40 CFR Part 60, Appendix A)
VOC	EPA Methods 18, 25, 25a
VOC Content	EPA Methods 24, 24a
NO_x	EPA Method 7
SO_2	EPA Method 6
CO	EPA Method 10
PM / PM-10	EPA Method 5, 17
Visible Emission	EPA Method 9

(9 VAC 5-80-110)

IV. Process Equipment Requirements – (emission unit ID# BS1, PR1, PR2, SA1, EC1, EC2, EC3, PS1, PS2, PS3, PS4, PS5, ME1, ME2, ME3, ME4, ME5, TT1, TT2, TT3, TT4, WA1, FR1, and SV1)

A. Limitations

1. Particulate emissions from all applicator sections of the Prime, Main Enamel and Tutone Repair paint spray booths shall be controlled by water wash scrubbers. Additional control of particulate emissions shall be provided by bag filters on Prime Bell (PS3), Main Enamel Basecoat Bell (ME3), Reciprocator (ME4), Robot (ME5) and Clearcoat Bell (ME8) applicator sections of the paint spray booths. The scrubbers and filters shall be provided with adequate access for inspection.
(9 VAC 5-80-110 and Condition 3 of 2 / 12 / 99 NSR Permit)

2. Panel filters shall control particulate emissions from the four- (4) scuff booths. The filters shall be provided with adequate access for inspection.
(9 VAC 5-80-110 and Condition 4 of 2 / 12 / 99 NSR Permit)

3. Volatile Organic Compound emissions from the Prime Bell (PS3), Main Enamel Basecoat Bell (ME3), Reciprocator (ME4), Robot (ME5), and Clearcoat Bell (ME8) applicator sections of the paint spray booths shall be concentrated with carbon wheels and controlled by regenerative thermal oxidizers. The oxidizers shall be provided with adequate access for inspection.
(9 VAC 5-80-110 and Condition 5 of 2 / 12 / 99 NSR Permit.)

4. Volatile Organic Compound emissions from the use of cleaning solvents will be controlled by the following work practices:

   a. Applicator Cleaning – Coating applicators removed from the booth shall be placed in a closed container with agitated solvent. The applicators are cleaned and the spent solvent reclaimed. Paint hoses shall be disconnected from the booth walls and soaked in solvent. The hose shall then be hand wiped and re-installed.

   b. Booth Cleaning – A soap-like coating shall be applied to both the clean walls and baffles to ease the overspray clean-up. The coating now containing overspray paint shall be removed by washing with water. Grease may be applied to the baffles to assist in removing paint.

   c. General Paint Area Cleaning – Ford shall minimize the amount of solvent used to clean up overspray paint tracked outside the spray booths and paint drips in the paint mix areas through such methods as using solvent soaked rags to wipe up drips rather than a mop and bucket and using replaceable floor coverings.

   Ford may use alternative practices other than those listed above provided these practices result in an equivalent conservation of solvent. The most current practices shall be kept on site and made available for inspection by the DEQ.
   (9 VAC 5-80-110 and Condition 6 of 2/12/99 Permit)

5. Emissions from the Primecoat (E-coat) operation shall not exceed the limitations specified below:

Volatile Organic Compounds	24.4 lbs/hour	53.8 tons/year
	1.2 lbs/gallon of coating	
	0.16 kg/liter of applied coating solids, (or)	
	(1.34 lbs/gallon of applied coating solids)	

   (9 VAC 5-80-110 and Condition 7 of 2/12/99 Permit and NSPS Subpart MM at 40 CFR 60.392(a)(i))

6. Emissions from the Guidecoat (antichip + primer) operation shall not exceed the limitations specified below:

Volatile Organic Compounds	62.7 lbs/hour	138.5 tons/year
	1.40 kg/liter of applied coating solids, (or)	
	(11.68 lbs/gallon of applied coating solids)	

   (9 VAC 5-80-110 and Condition 8 of 2/12/99 Permit and NSPS Subpart MM at 40 CFR 60.392(b))

7. Emissions from the Topcoat (basecoat + clearcoat + solid enamel) operation shall not exceed the limitations specified below:

Volatile Organic Compounds	916.3 lbs / hour	877.9 tons / year
	1.47 kg / liter of applied coating solids, (or)	
	(12.27 lbs / gallon of applied coating solids)	

(9 VAC 5-80-110 and Condition 9 of 2 / 12 / 99 Permit and NSPS Subpart MM at 40 CFR 60.392(c))

8. Emissions from the Sealer operation shall not exceed the limitations specified below:

Volatile Organic Compounds	2.4 lbs / hour	2.0 tons / year

(9 VAC 5-80-110 and Condition 10 of 2 / 12 / 99 Permit)

9. Emissions from the Final Repair operation shall not exceed the limitations specified below:

Volatile Organic Compounds	6.7 lbs / hour	6.4 tons / year
	4.8 lbs / gallon of coating	

(9 VAC 5-80-110 and Condition 11 of 2 / 12 / 99 Permit)

10. Emissions from the Purge / Cleaning Solvent operation shall not exceed the limitations specified below:

Volatile Organic Compounds	152.6 lbs / hour	180.5 tons / year

(9 VAC 5-80-110 and Condition 12 of 2 / 12 / 99 Permit)

11. Emissions from the operation of the Ford Plant shall not exceed the state only limitations specified below:

*Total Suspended Particulate	10.8 lbs / hour	26.6 tons / year
*PM10	10.8 lbs / hour	26.6 tons / year
*Volatile Organic Compounds	1165.1 lbs / hour	1259.1 tons / year
BCA (Ethylene glycol monobutyl ether acetate)	198.5 lbs / hour	414.2 tons / year
Butanol	73.6 lbs / hour	161.7 tons / year
Butoxyethanol	55.5 lbs / hour	122.1 tons / year
Butyl acetate	205.0 lbs / hour	439.6 tons / year
Diacetone alcohol	11.4 lbs / hour	17.3 tons / year
2-Ethoxyethanol	36.9 lbs / hour	3.1 tons / year
Ethyl acetate	127.2 lbs / hour	279.1 tons / year
Heptane	50.9 lbs / hour	111.6 tons / year
Hexane	18.5 lbs / hour	39.5 tons / year
Isobutanol	18.6 lbs / hour	39.9 tons / year
Isopropanol	31.9 lbs / hour	63.9 tons / year
Methyl ethyl ketone	38.5 lbs / hour	84.4 tons / year
Methanol	42.0 lbs / hour	90.1 tons / year
Methyl amyl ketone	208.2 lbs / hour	433.5 tons / year
Methylene chloride	130.4 lbs / hour	197.7 tons / year
Methyl isobutyl ketone	39.9 lbs / hour	74.1 tons / year
PGME (propylene glycol monmethyl ether)	55.9 lbs / hour	119.7 tons / year
Propanol	55.9 lbs / hour	119.7 tons / year
Stoddard solvent	68.6 lbs / hour	104.0 tons / year
Toluene	155.1 lbs / hour	333.5 tons / year
VM & P Naphtha	364.0 lbs / hour	373.9 tons / year
Xylene	339.7 lbs / hour	692.1 tons / year

Ford will submit MSDS sheets for new coatings, as they occur, on an annual basis.

*(These criteria pollutants are considered Federally enforceable)

9 VAC 5-80-110 and Condition 13 of 2 / 12 / 99 Permit)

12. Volatile Organic Compound emissions in tons per year shall be calculated monthly as the sum of each consecutive 12 month period for the E-coat, Guidecoat, Topcoat, Sealer, Final Repair and Purge/Cleaning operations.
(9 VAC 5-80-110 and Condition 14 of 2/12/99 Permit)

13. Visible emissions from the panel filters and scrubber systems shall not exceed five (5) percent opacity except during one six-minute period in any hour in which visible emissions shall not exceed ten (10) percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A).
(9 VAC 5-80-110 and Condition 15 of 2/12/99 Permit)

14. For each coating operation, Ford shall perform the following calculation each month as a performance test in accordance with NSPS Subpart MM 60.393 (c)(1)(i). Results of calculations may be reported in English or Metric Units:

$$G = M/(L \times TE)$$

(where G = monthly kg VOC/liter applied solids)
M = kg VOC used each calendar month
L = liters of solids used each calendar month
TE = transfer efficiency

(9 VAC 5-80-110 and Condition 16 of 2/12/99 Permit)

15. For each coating operation controlled by an incinerator, Ford shall perform the above calculation and the following calculation each month as a performance test in accordance with NSPS Subpart MM 60.393 (c)(2)(ii). Results of calculations may be reported in English or Metric Units:

$$N = G (1-FE)$$

(where N = monthly kg VOC/liter applied solids emitted after incinerator)
G = monthly kg VOC/liter applied solids
F = capture fraction entering incinerator
E = destruction efficiency of incinerator

In subsequent months, as more recent values are recorded, Ford shall use the most recently determined values for F and E.
(9 VAC 5-80-110 and Condition 17 of 2/12/99 Permit)

16. In accordance with NSPS Subpart MM 60.394, for each incinerator, Ford shall install, calibrate, maintain and operate temperature measurement devices in the firebox according to accepted practices and the manufacturer's specifications. The devices shall have an accuracy of the greater of +/- 0.75 % of the temperature being measured in °C or +/- 2.5°C and shall be equipped with a recording device producing a permanent record.
(9 VAC 5-80-110 and Condition 19 of 2/12/99 Permit)

B. Reporting

1. In accordance with 40 CFR 60.7 and NSPS Subpart MM 60.395 (b), Ford shall submit written quarterly reports describing each violation of the following limits:

   a. The volume weighted monthly average of the total mass of Volatile Organic Compounds (VOC's) emitted to the atmosphere per volume of applied coating solids for prime coat operations,

   b. The volume weighted monthly average of the total mass of Volatile Organic Compounds (VOC's) emitted to the atmosphere per volume of applied coating solids for guidecoat operations, and

   c. The volume weighted monthly average of the total mass of Volatile Organic Compounds (VOC's) emitted to the atmosphere per volume of applied coating solids for topcoat operations

   If no such instances occur during a calendar quarter, a negative report shall be submitted quarterly. Reports shall be submitted to the Tidewater Regional Office and be postmarked no later that the 30th day following the end of each calendar quarter or half, depending on occurrence of violations.

   (9 VAC 5-80-110 and Condition 18 of 2/12/99 Permit)

2. In accordance with 40 CFR 60.7 and NSPS Subpart MM 60.395 (c), Ford shall continuously record the incinerator (RTO) combustion temperature during coating operations and submit written, semi-annual or quarterly reports, if preferred, describing each temperature excursion. An excursion is defined as a 3-hour period in which the average temperature is more than 28°C (52.2°F) less than the average temperature during the most recent control device performance test at which the destruction efficiency was determined. This 3-hour period is defined as a block of time commencing at midnight and restarting 3 hours later during periods of operations (for example, 12 am – 3am, 3 am –6 am, etc.). If no excursions occur in a calendar quarter, a negative report shall be submitted. Reports shall be submitted to the Tidewater Regional Office and be postmarked no later than the 30th day following the end of each calendar half or quarter reporting period.

   (9 VAC 5-80-110 and Condition 20 of 2/12/99 Permit)

C. Monitoring and Recordkeeping

1. The permittee shall retain records of all emission data and operating parameters required, to include process throughputs, by the terms of this permit. In accordance with the "Protocol for Determining the Daily Volatile Organic Compound Emission Rate of Automobile and Light-Duty Truck Topcoat Operations", December, 1988, the permittee shall retain records to demonstrate compliance with the content limit of volatile organic compounds for Conditions 5, 6, 7 and 9. These records shall be maintained by the source for the most current five (5) year period.
   (9 VAC 5-80-110 and Condition 21 of 2/12/99 Permit)

2. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content of and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:

   a. Periodic materials throughputs, nominally on a monthly basis, to determine the hourly and annual emissions from the Primecoat (E-coat) unit,

   b. Periodic materials throughputs, nominally on a monthly basis, to determine the hourly and annual emissions from the Guidecoat (antichip + primer) unit,

   c. Periodic materials throughputs, nominally on a monthly basis, to determine the hourly and annual emissions from the Topcoat (basecoat + clearcoat + solid enamel) unit,

   d. Periodic materials throughputs, nominally on a monthly basis, to determine the hourly and annual emissions from the Sealer operation,

   e. Periodic materials throughputs, nominally on a monthly basis, to determine the hourly and annual emissions from the Final Repair operation,

   f. Periodic materials throughputs, nominally on a monthly basis, to determine the hourly and annual emissions from the Purge/Cleaning Solvent operation and

   These records shall be maintained by the source for the most recent five year period.
   (9 VAC 5-80-110 and Condition 22 of 2/12/99 Permit)

D. Testing

1. The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports shall be provided at the appropriate locations.
   (9 VAC 5-50-30 and 9 VAC 5-80-110)

2. If testing is conducted to demonstrate compliance in addition to the monitoring specified in this permit, the permittee shall use the following test methods or other methods approved by the DEQ in accordance with procedures as follows:

The following table applies only to those pollutants that have emission limits.

Pollutant	Test Method (40 CFR Part 60, Appendix A)
VOC	EPA Methods 18, 25, 25a
VOC Content	EPA Methods 24, 24a
NO_x	EPA Method 7
SO_2	EPA Method 6
CO	EPA Method 10
PM / PM-10	EPA Method 5, 17
Visible Emission	EPA Method 9

(9 VAC 5-80-110)

E. Reporting

1. If, for any reason, the permitted facility or related air pollution control equipment fails or malfunctions and may cause excess emissions for more than one hour, the owner shall notify the Director, Tidewater Regional Office within four business hours of the occurrence. In addition, the owner shall provide a written statement, within fourteen days, explaining the problem, corrective action taken and the estimated duration of the breakdown / shut down.

   (9 VAC 5-80-110 F and Condition 25 of 2 / 12 / 99 Permit)

V. Insignificant Emission Units

The following emission units at the facility are identified in the application as insignificant emission units under 9 VAC 5-80-720:

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
I-SH1	Building space heaters natural gas emissions	9 VAC5-80-720C	NO_x, CO, SO_2, VOC, PM10, TSP, HAP's	less than 10 mmBtu/Hour
I-SO1	Sealer oven natural gas emissions	9 VAC5-80-720C	NO_x, CO, SO_2, VOC, PM10, TSP, HAP's	6.0 mmBtu/Hour
I-HW1	Paint shop water heaters	9 VAC5-80-720C	NO_x, CO, SO_2, VOC, PM10, TSP, HAP's	less than 10 mmBtu/Hour
I-AB1	Abatement boiler	9 VAC5-80-720C	NO_x, CO, SO_2, VOC, PM10, TSP, HAP's	8.4 mmBtu/Hour
I-AC1	Air conditioning fill	9 VAC5-80-720B	N/A	N/A
I-KS1	Kolene skid treatment, paint removal system	9 VAC5-80-720B	VOC, TSP, PM10	N/A
I-SG1	Body shop sanding and grinding	9 VAC5-80-720B	TSP, PM10, HAP's	N/A
I-OT1	Engine oil top-off	9 VAC5-80-720B	VOC	N/A
I-PD1	Phosphate dip/rinse	9 VAC5-80-720B	VOC, TSP PM10	N/A
I-BF1	Brake fluid fill	9 VAC5-80-720B	VOC	N/A
I-PS1	Power steering fluid fill	9 VAC5-80-720B	VOC	N/A
I-CL1	Chassis line lubricants	9 VAC5-80-720B	VOC	N/A
I-CF1	Coolant fill	9 VAC5-80-720B	VOC, HAP's	N/A
I-SR1	Spot repair area	9 VAC5-80-720B	VOC, HAP's, PM10, TSP	N/A
I-CC1	Cold cleaners	9 VAC5-80-720B	VOC	N/A
I-TF1	Transmission fluid fill	9 VAC5-80-720B	VOC	N/A
I-EL1	Engine line lubricants	9 VAC5-80-720B	VOC	N/A
I-WF1	Washer fluid fill	9 VAC5-80-720B	VOC, HAP's	N/A
I-GF1	Gasoline fill	9 VAC5-80-720B	VOC, HAP's	N/A
I-BT1	Brake fluid storage tank	9 VAC5-80-720B	VOC	N/A
I-AT1	Antifreeze tank	9 VAC5-80-720B	VOC, HAP's	N/A
I-AT2	50% antifreeze tank	9 VAC5-80-720B	VOC, HAP's	N/A
I-PT1	Power steering fluid Tank #1	9 VAC5-80-720B	VOC	N/A
I-PT2	Power steering fluid Tank #2	9 VAC5-80-720B	VOC	N/A
I-ER1	E-coat resin Tank #1	9 VAC5-80-720B	VOC, HAP's	N/A
I-ER2	E-coat resin Tank #2	9 VAC5-80-720B	VOC, HAP's	N/A
I-CT1	50% caustic Tank #1	9 VAC5-80-720B	No regulated pollutant	N/A
I-CT2	50% caustic Tank # 2	9 VAC5-80-720B	No regulated pollutant	
I-HW1	Hazardous Waste storage tank	9 VAC5-80-720B	VOC, HAP's	
I-KT1	Koliquid No. 5 tank	9 VAC5-80-720B	Negligible	
I-RT1	134a tank	9 VAC5-80-720B	None	
I-FC1	Dilute poly-aluminum	9 VAC5-80-720B	Negligible	

	chloride tank			
I-SA1	Sulfuric acid Tank #1	9 VAC5-80-720B	Negligible	
I-SA2	Sulfuric acid Tank #2	9 VAC5-80-720B	Negligible	
I-ET1	E-coat transfer Tank #1	9 VAC5-80-720B	VOC, HAP's	
I-ET2	E-coat transfer Tank #2	9 VAC5-80-720B	VOC, HAP's	
I-ET3	E-coat transfer Tank #3	9 VAC5-80-720B	VOC, HAP's	
I-PT1	Propane tank	9 VAC5-80-720B	VOC	
I-MT1	Methanol storage tank	9 VAC5-80-720B	VOC, HAP's	
I-SS1	Spent solvent tank	9 VAC5-80-720B	VOC, HAP's	
I-SP1	Spent purge tank	9 VAC5-80-720B	VOC, HAP's	
I-TH1	Paint thinner Tank #1	9 VAC5-80-720B	VOC, HAP's	
I-TH2	Paint thinner Tank #2	9 VAC5-80-720B	VOC, HAP's	
I-FP1	Fire Pump #1	9 VAC5-80-720C	NO_x, CO, SO_2, VOC, PM10, TSP, HAP's	
I-FP2	Fire Pump #2	9 VAC5-80-720C	NO_x, CO, SO_2, VOC, PM10, TSP, HAP's	
I-FP3	Fire Pump #3	9 VAC5-80-720C	NO_x, CO, SO_2, VOC, PM10, TSP, HAP's	
I-MW1	Maintenance welding	9 VAC5-80-720B	TSP, PM10, HAP's	
I-CW1	Cavity wax application	9 VAC5-80-720B	VOC	
I-WW1	Wastewater treatment	9 VAC5-80-720B	VOC	
I-GT1	Gasoline storage Tank #1	9 VAC5-80-720B	VOC, HAP's	
I-GT2	Gasoline storage Tank #2	9 VAC5-80-720B	VOC, HAP's	
I-DT1	Diesel storage Tank #1	9 VAC5-80-720B	VOC, HAP's	
I-DT2	Diesel storage Tank #2	9 VAC5-80-720B	VOC, HAP's	

These emission units are presumed to be in compliance with all requirements of the federal Clean Air Act as may apply. Based on this presumption, no monitoring, recordkeeping, or reporting shall be required for these emission units in accordance with 9 VAC 5-80-110.

VI. Permit Shield & Inapplicable Requirements

Compliance with the provisions of this permit shall be deemed compliance with all applicable requirements in effect as of the permit issuance date as identified in this permit. This permit shield covers only those applicable requirements covered by terms and conditions in this permit and the following requirements which have been specifically identified as being not applicable to this permitted facility:

Citation	Title of Citation	Description of Applicability
NONE		

Nothing in this permit shield shall alter the provisions of §303 of the federal Clean Air Act, including the authority of the administrator under that section, the liability of the owner for any violation of applicable requirements prior to or at the time of permit issuance, or the ability to obtain information by the administrator pursuant to §114 of the federal Clean Air Act, (ii) the Board pursuant to §10.1-1314 or §10.1-1315 of the Virginia Air Pollution Control Law or (iii) the Department pursuant to §10.1-1307.3 of the Virginia Air Pollution Control Law.
(9 VAC 5-80-140)

VII. General Conditions – (Hierarchy of Permit Conditions - In the event that any condition contained in Section VII of this permit conflicts with a condition in sections I-VI of this permit, the conditions in sections I-VI of this permit shall be controlling.)

A. Federal Enforceability

All terms and conditions in this permit are enforceable by the administrator and citizens under the federal Clean Air Act, except those that have been designated as only state-enforceable.
(9 VAC 5-80-110 N)

B. Permit Expiration

This permit shall become invalid five years from the date of issuance. The permittee shall submit an application for renewal of this permit no earlier than 18 months and no later than six months prior to the date of expiration of this permit. Upon receipt of a complete and timely application for renewal, this source may continue to operate subject to final action by the DEQ on the renewal application.
(9 VAC 5-80-110 D and 9 VAC 5-80-80 F)

C. Recordkeeping and Reporting

1. All records of monitoring information maintained to demonstrate compliance with the terms and conditions of this permit shall contain, where applicable, the following:

   a. The date, place as defined in the permit, and time of sampling or measurements.

   b. The date(s) analyses were performed.

   c. The company or entity that performed the analyses.

   d. The analytical techniques or methods used.

   e. The results of such analyses.

   f. The operating conditions existing at the time of sampling or measurement.

   (9 VAC 5-80-110 F)

2. Records of all monitoring data and support information shall be retained for at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.
   (9 VAC 5-80-110 F)

3. The permittee shall submit the results of monitoring contained in any applicable requirement to DEQ. Reports shall cover a period of six months. The reporting periods shall be from the first day of the first month to the last day of the sixth month. Reports shall be postmarked or delivered no later than 60 days following the end of the reporting period. The first reporting period shall commence the first day of the second month following the permit issuance. This report must be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

   a. The time period included in the report.

   b. All deviations from permit requirements. For purposes of this permit, deviations include, but are not limited to:

      (1) Exceedance of emissions limitations or operational restrictions;

(2) Excursions from control device operating parameter requirements, as documented by continuous emission monitoring, periodic monitoring, or compliance assurance monitoring which indicates an exceedance of emission limitations or operational restrictions; or,

(3) Failure to meet monitoring, recordkeeping, or reporting requirements contained in this permit.

c. If there were no deviations from permit conditions during the time period, the permittee shall include a statement in the report that "no deviations from permit requirements occurred during the semi-annual reporting period."

(9 VAC 5-80-110 F)

D. Annual Compliance Certification

Exclusive of any reporting required to assure compliance with the terms and conditions of this permit or as part of a schedule of compliance contained in this permit, the permittee shall submit to EPA and DEQ a certification of compliance with all terms and conditions of this permit including emission limitation standards or work practices for a period of twelve months. The report shall be postmarked or delivered no later than 60 days following the end of the twelve month period. The reporting periods shall coincide with the monitoring reporting periods. The compliance certification shall comply with such additional requirements that may be specified pursuant to §114(a)(3) and §504(b) of the federal Clean Air Act. This certification shall be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

1. The time period included in the certification.

2. The identification of each term or condition of the permit that is the basis of the certification.

3. The compliance status.

4. Whether compliance was continuous or intermittent, and if not continuous, documentation of each incident of non-compliance.

5. Consistent with subsection 9 VAC 5-80-110 E, the method or methods used for determining the compliance status of the source at the time of certification and over the reporting period.

6. Such other facts as the permit may require to determine the compliance status of the source.

One copy of the annual compliance certification shall be sent to EPA at the following address:

Clean Air Act Title V Compliance Certification (3AP00)
U. S. Environmental Protection Agency, Region III
1650 Arch Street
Philadelphia, PA 19103-2029.

(9 VAC 5-80-110 K.5)

E. Permit Deviation Reporting

The permittee shall notify the Tidewater Regional Office, within four daytime business hours of any deviations from permit requirements which may cause excess emissions for more than one hour, including those attributable to upset conditions as may be defined in this permit. In addition, within 14 days of the occurrence, the permittee shall provide a written statement explaining the problem, any corrective actions or preventative measures taken, and the estimated duration of the permit deviation. The occurrence should also be reported in the next semi-annual compliance monitoring report pursuant to General Condition VII.C.3. of this permit.
(9 VAC 5-80-110 F.2 and 9 VAC 5-80-250)

F. Failure/Malfunction Reporting

If, for any reason, the affected facilities or related air pollution control equipment fails or malfunctions and may cause excess emissions for more than one hour, the owner shall notify the Tidewater Regional Office, within four (4) daytime business hours of the occurrence. In addition, the owner shall provide a written statement, within 14 days, explaining the problem, corrective action taken, and the estimated duration of the breakdown/shutdown.
(9 VAC 5-80-250)

G. Severability

The terms of this permit are severable. If any condition, requirement or portion of the permit is held invalid or inapplicable under any circumstance, such invalidity or inapplicability shall not affect or impair the remaining conditions, requirements, or portions of the permit.
(9 VAC 5-80-110 G.1)

H. Duty to Comply

The permittee shall comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the federal Clean Air Act or the Virginia Air Pollution Control Law or both and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or, for denial of a permit renewal application.
(9 VAC 5-80-110 G.2)

I. Need to Halt or Reduce Activity not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
(9 VAC 5-80-110 G.3)

J. Permit Action for Cause

1. This permit may be modified, revoked, reopened, and reissued, or terminated for cause as specified in 9 VAC 5-80-110 L, 9 VAC 5-80-240 and 9 VAC 5-80-260. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.
(9 VAC 5-80-110 G.4)

2. Such changes that may require a permit modification and/or revisions include, but are not limited to, the following:

   a. Erection, fabrication, installation, addition, or modification of an emissions unit (which is the source, or part of it, which emits or has the potential to emit any regulated air pollutant), or of a source, where there is, or there is potential of, a resulting emissions increase;

   b. Reconstruction or replacement of any emissions unit or components thereof such that its capital cost exceeds 50% of the cost of a whole new unit;

   c. Any change at a source which causes emission of a pollutant not previously emitted, an increase in emissions, production, throughput, hours of operation, or fuel use greater than those allowed by the permit, or by 9 VAC 5-80-11, unless such an increase in authorized by an emissions cap; or any change at a source which causes an increase in emissions resulting from a reduction in control efficiency, unless such an increase is authorized by an emissions cap;

   d. Any reduction of the height of a stack or of a point of emissions, or the addition of any obstruction which hinders the vertical motion of exhaust;

   e. Any change at the source which affects its compliance with conditions in this permit, including conditions relating to monitoring, recordkeeping, and reporting;

   (9 VAC 5-80-110 G, 9 VAC 5-80-110 J, 9 VAC 5-80-240, and 9 VAC 5-80-260)

K. Property Rights

The permit does not convey any property rights of any sort, or any exclusive privilege. (9 VAC 5-80-110 G.5)

L. Duty to Submit Information

1. The permittee shall furnish to the Board, within a reasonable time, any information that the Board may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Board copies of records required to be kept by the permit and, for information claimed to be confidential, the permittee shall furnish such records to the Board along with a claim of confidentiality.
   (9 VAC 5-80-110 G.6)

2. Any document (including reports) required in a permit condition to be submitted to the Board shall contain a certification by a responsible official that meets the requirements of 9 VAC 5-80-80 G.
   (9 VAC 5-80-110 K.1)

M. Duty to Pay Permit Fees

The owner of any source for which a permit under 9 VAC 5-80-50 through 9 VAC 5-80-305 was issued shall pay permit fees consistent with the requirements of 9 VAC 5-80-310 through 9 VAC 5-80-355. The actual emissions covered by the permit program fees for the preceding year shall be calculated by the owner and submitted to the Department by **April 15** of each year. The calculations and final amount of emissions are subject to verification and final determination by the Department.
(9 VAC 5-80-110 H and 9 VAC 5-80-340 C)

N. Fugitive Dust Emission Standards

During the operation of a stationary source or any other building, structure, facility, or installation, no owner or other person shall cause or permit any materials or property to be handled, transported, stored, used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne. Such reasonable precautions may include, but are not limited to, the following:

1. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of land;

2. Application of asphalt, oil, water, or suitable chemicals on dirt roads, materials stockpiles, and other surfaces which may create airborne dust; the paving of roadways and the maintaining of them in a clean condition;

3. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty material. Adequate containment methods shall be employed during sandblasting or other similar operations;

4. Open equipment for conveying or transporting material likely to create objectionable air pollution when airborne shall be covered or treated in an equally effective manner at all times when in motion; and,

5. The prompt removal of spilled or tracked dirt or other materials from paved streets and of dried sediments resulting from soil erosion.

(9 VAC 5-40-90 and 9 VAC 5-50-90)

O. Startup, Shutdown, and Malfunction

At all times, including periods of startup, shutdown, soot blowing, and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Board, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.
(9 VAC 5-50-20)

P. Alternative Operating Scenarios

Contemporaneously with making a change between reasonably anticipated operating scenarios identified in this permit, the permittee shall record in a log at the permitted facility a record of the scenario under which it is operating. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions under each such operating scenario. The terms and conditions of each such alternative scenario shall meet all applicable requirements including the requirements of 9 VAC 5 Chapter 80, Article 1.
(9 VAC 5-80-110 J)

Q. Inspection and Entry Requirements

The permittee shall allow DEQ, upon presentation of credentials and other documents as may be required by law, to perform the following:

1. Enter upon the premises where the source is located or emissions-related activity is conducted, or where records must be kept under the terms and conditions of the permit.

2. Have access to and copy, at reasonable times, any records that must be kept under the terms and conditions of the permit.

3. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit.

4. Sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

(9 VAC 5-80-110 K.2)

R. Reopening For Cause

The permit shall be reopened by the Board if additional federal requirements become applicable to a major source with a remaining permit term of three years or more. Such reopening shall be completed no later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to 9 VAC 5-80-80 F.

1. The permit shall be reopened if the Board or the administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

2. The permit shall be reopened if the administrator or the Board determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

3. The permit shall not be reopened by the Board if additional applicable state requirements become applicable to a major source prior to the expiration date established under 9 VAC 5-80-110 D.

(9 VAC 5-80-110 L)

S. Permit Availability

Within five days after receipt of the issued permit, the permittee shall maintain the permit on the premises for which the permit has been issued and shall make the permit immediately available to DEQ upon request.
(9 VAC 5-80-150 E)

T. Transfer of Permits

1. No person shall transfer a permit from one location to another, unless authorized under 9 VAC 5-80-130, or from one piece of equipment to another.
(9 VAC 5-80-160)

2. In the case of a transfer of ownership of a stationary source, the new owner shall comply with any current permit issued to the previous owner. The new owner shall notify the Board of the change in ownership within 30 days of the transfer and shall comply with the requirements of 9 VAC 5-80-200.
(9 VAC 5-80-160)

3. In the case of a name change of a stationary source, the owner shall comply with any current permit issued under the previous source name. The owner shall notify the Board of the change in source name within 30 days of the name change and shall comply with the requirements of 9 VAC 5-80-200.
(9 VAC 5-80-160)

U. Malfunction as an Affirmative Defense

1. A malfunction constitutes an affirmative defense to an action brought for noncompliance with technology-based emission limitations if the conditions of paragraph 2 are met.

2. The affirmative defense of malfunction shall be demonstrated by the permittee through properly signed, contemporaneous operating logs, or other relevant evidence that show the following:

   a. A malfunction occurred and the permittee can identify the cause or causes of the malfunction.

   b. The permitted facility was at the time being properly operated.

   c. During the period of malfunction, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit.

d. The permittee notified the board of the malfunction in accordance with condition VII.E of this permit. This notification shall include a description of the malfunction, any steps taken to mitigate emissions and corrective actions taken. The notification may be delivered either orally or in writing. The notification may be delivered by electronic mail, facsimile transmission, telephone, telegraph or any other method that allows the permittee to comply with the deadline. The notice fulfills the requirement of 9 VAC 5-80-110 F.2.b to report promptly deviations from permit requirements. This notification does not release the permittee from the malfunction reporting requirements under 9 VAC 5-20-180 C.

3. In any enforcement proceeding, the permittee seeking to establish the occurrence of a malfunction shall have the burden of proof. The provisions of this section are in addition to any malfunction, emergency or upset provision contained in any requirement applicable to the source.

(9 VAC 5-80-250)

V. Permit Revocation or Termination for Cause

A permit may be revoked or terminated prior to its expiration date if the owner knowingly makes material misstatements in the permit application or any amendments thereto or if the permittee violates, fails, neglects or refuses to comply with the terms or conditions of the permit, any applicable requirements, or the applicable provisions of 9 VAC 5 Chapter 80 Article 1. The Board may suspend, under such conditions and for such period of time as the Board may prescribe, any permit for any of the grounds for revocation or termination or for any other violations of these regulations.
(9 VAC 5-80-260)

W. Duty to Supplement or Correct Application

Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrections. An applicant shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete application was filed but prior to release of a draft permit.
(9 VAC 5-80-80 E)

X. Stratospheric Ozone Protection

If the permittee handles or emits one or more Class I or II substances subject to a standard promulgated under or established by Title VI (Stratospheric Ozone Protection) of the federal Clean Air Act, the permittee shall comply with all applicable sections of 40 CFR Part 82, Subparts A to F.
(40 CFR Part 82, Subparts A-F)

Y. Accidental Release Prevention

If the permittee has more, or will have more than a threshold quantity of a regulated substance in a process, as determined by 40 CFR 68.115, the permittee shall comply with the requirements of 40 CFR Part 68.
(40 CFR Part 68)

Z. Changes to Permits for Emissions Trading

No permit revision shall be required under any federally approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.
(9 VAC 5-80-110 I)

AA. Emissions Trading

Where the trading of emissions increases and decreases within the permitted facility is to occur within the context of this permit and to the extent that the regulations provide for trading such increases and decreases without a case-by-case approval of each emissions trade:

1. All terms and conditions required under 9 VAC 5-80-110, except subsection N, shall be included to determine compliance.

2. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions that allow such increases and decreases in emissions.

3. The owner shall meet all applicable requirements including the requirements of 9 VAC 5-80-50 through 9 VAC 5-80-300.

(9 VAC 5-80-110 I)

VIII. State-Only Enforceable Requirements

The following terms and conditions are not required under the federal Clean Air Act or under any of its applicable federal requirements, and are not subject to the requirements of 9 VAC 5-80-290 concerning review of proposed permits by EPA and draft permits by affected states.

1. 9 VAC 5 Chapter 50, Part II, Article 2: Standards of Performance for Odorous Emissions (Rule 5-2)

2. 9 VAC 5 Chapter 50, Part II, Article 3, Standards of Performance for Toxic Pollutants (Rule 5-3)

(9 VAC 5-80-110 N and 9 VAC 5-80-300)